

CLAIMS:

- 1 1. A system for integrating applications in different enterprises separated by
2 firewalls, the system comprising:
3 an input for receiving high level business data from a source application;
4 an encryption engine for encrypting the business data to produce encrypted
5 business data;
6 a queue manager for receiving the encrypted business data and for storing the
7 business data for delivery to a target processor; and
8 an output for transmitting the encrypted business data to the target application,
9 wherein the system and the target processor are separated by at least one firewall.
- 1 2. The system of claim 1, further comprising the at least one firewall for coupling
2 the output to a wide area network.
- 1 3. The system of claim 1, wherein the encryption engine comprises a secure
2 sockets layer protocol.
- 1 4. The system of claim 1, wherein the encryption engine comprises an HTTPS
2 protocol.

- 1 5. A method for integrating applications hosted at different enterprises separated
2 by at least one firewall, comprising steps of:
3 receiving data from a source application program;
4 encoding the data according to a message queuing protocol to provide an MQ
5 message;
6 encrypting the MQ message to provide an encrypted MQ message; and
7 transmitting the encrypted MQ message to a destination application program
8 for processing of the data.
- 1 6. The method of claim 5 further comprising storing the encrypted MQ message
2 in a queue manager prior to transmitting the encrypted MQ message.
- 1 7. The method of claim 5 further comprising sending a message to the source
2 application program instructing the source application program to stop sending
3 data.
- 1 8. The method of claim 5 further comprising maintaining a record of the
2 messages received from the source application program.
- 1 9. The method of claim 8 wherein the record of the messages received from the
2 source application program comprises information on the number of messages
3 received.

1 10. The method of claim 8 wherein the record of the messages received from the
2 source application program comprises information on the type of messages
3 received.

- 1 11. A computer readable medium comprising program instructions for receiving
2 data from a source application program;
3 encoding the data according to a message queuing protocol to provide an MQ
4 message;
5 encrypting the MQ message to provide an encrypted MQ message; and
6 transmitting the encrypted MQ message to a destination application program
7 for processing of the data.
- 1 12. The computer readable medium of claim 11 further comprising an instruction
2 for storing the encrypted MQ message in a queue manager prior to transmitting
3 the encrypted MQ message.
- 1 13. The computer readable medium of claim 11 further comprising an instruction
2 for sending a message to the source application program instructing the source
3 application program to stop sending data.
- 1 14. The computer readable medium of claim 11 further comprising an instruction
2 for maintaining a record of the messages received from the source application
3 program.
- 1 15. The computer readable medium of claim 14 wherein the record of the
2 messages received from the source application program comprises information
3 on the number of messages received.

1 16. The computer readable medium of claim 14 wherein the record of the
2 messages received from the source application program comprises information
3 on the type of messages received.

1 17. A remote agent comprising:
2 an input for receiving a message from a first application, the message
3 comprising high level data and a request to process the data by a second
4 application at a target node in a network, wherein the target node is located at
5 another side of a firewall from the agent; and
6 a first queue manager for receiving messages from the agent and for
7 transmitting the messages to the target node when the target node can receive the
8 messages.

1 18. A method for transmitting high-level data in real time to one or more
2 enterprises, the method comprising:
3 receiving, from an application, a message comprising high level data and a
4 request to process the data by a server;
5 converting the message into an MQ message using a message queuing
6 protocol;
7 encrypting the MQ message using a security protocol to provide a secure MQ
8 message; and
9 transmitting the MQ message to a first queue manager for retransmission at a
10 time when the network is suitable for transporting the message to the server.

1 19. The method of claim 9, wherein the high level data comprises customer
2 information

1 20. The method of claim 9, wherein transmitting the MQ message further
2 comprises using a hypertext transfer protocol.

1 21. The method of claim 9, wherein transmitting the MQ message further
2 comprises a secure socket layer protocol.

1 22. The method of claim 9, wherein transmitting the MQ message further
2 comprises a hypertext transfer protocol over a secure socket layer.